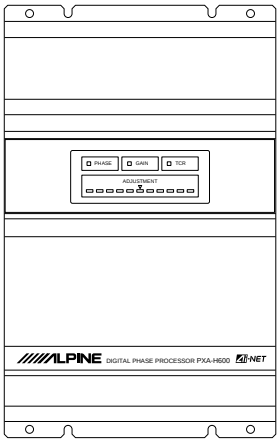
PXA-H600

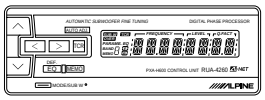
Digital Phase Processor (Ai-NET)

FEATURES

General

Automatic Listening Position Setting
Automatic Subwoofer Sound Reflection Cancellation
Automatic Subwoofer Linear Phase Setting
Automatic Subwoofer Flat Frequency Setting
Parametric EQ (4 Bands Front and Rear)
6 User Programmable Memory Presets
Remote Control and Microphone Included
Subwoofer Frequency Cutoff
Subwoofer Level Control (0 — +15dB)
Digital Time Correction
Dual-20Bit Sign Magnitude D/A Converters (front and rear outputs~4 total)
Regulated 1Bit DAC (for subwoofer output)
Two Fiber-Optic Inputs
Ai-Net or RCA Inputs
DC-DC Power Supply
S.T.A.R. Circuitry
Gold Plated RCA Jacks





Ai Processor | Sub Woofer Level | 4V PreOut | DC DC | Sign Magnitude 20 Bit DAC | Optical

SPECIFICATIONS

Number of outputs	3 pair(Front, Rear, Subwoofer)
Number of D/A converters	6
DAC resolution	20 bit(Front and Rear)
	1 Bit(Subwoofer)
Number of Presets	6(User Selectable)
Number of Bands	4 (Front)
	4 (Rear)
Parametric Eq Boost/Cut Range	±9dB(1.8dB steps)
Parametric Eq "Q" Factor	1.0/2.0/5.0
Equalizer Center Frequency Windows*	
Band 1	(20,25,31.5,40,50,63,80,100,125,160,200,
	250,315,400,500,630,800,1k,1.2kHz)
Band 2	(50,63,80,100,125,160,200,250,315,400,
	500,630,800,1k,1.2k,1.6k,2k,2.5k,3.2kHz)
Band 3	(125,160,200,250,315,400,500,630,800,
	1k,1.2k,1.6k,2k,2.5k,3.2k,4k,5k,6.3k,8kHz)
Band 4	(315,400,500,630,800,1k,1.2k,1.6k,2k,2.5k,
	3.2k,4k,5k,6.3k,8k,10k,12.5k,16k,20kHz)
Time Correction Control Range	0 to 20mS(0.1mS steps)
Subwoofer Level Control	0 to +15dB
Subwoofer Crossover Frequency	50—200Hz(1/3 oct/step)
Subwoofer Crossover Slope	6—24dB(Frequency Dependent)
Frequency Response	20Hz—20kHz(±1dB)
Total Harmonic Distortion	0.02%(at 1kHz)
Stereo Separation	80dBA
Signal to Noise Ratio	114dBA(with optical digital input)
Input Sensitivity	850mV
Output Voltage	4V
Input Impedance	Greater Than10k ohms
Output Impedance	Less Than1k ohms
Power Requirement	11—16V DC(negative ground)
Controller Size(WxHxD)	113mmx19mmx40mm(4-7/16"x3/4"x1-9/16")
Main Chassis Size(WxHxD)	240mmx50mmx160mm(9-7/16"x1-15/16"x6-1/4")
Controller Weight	0.35kg(12oz.)
Main Chassis Weight	1.55kg(3lb. 7oz.)

*Note: Adjacent EQ bands will automatically separated by at least one octave, not allowing some frequencies to be accessed in some bands.

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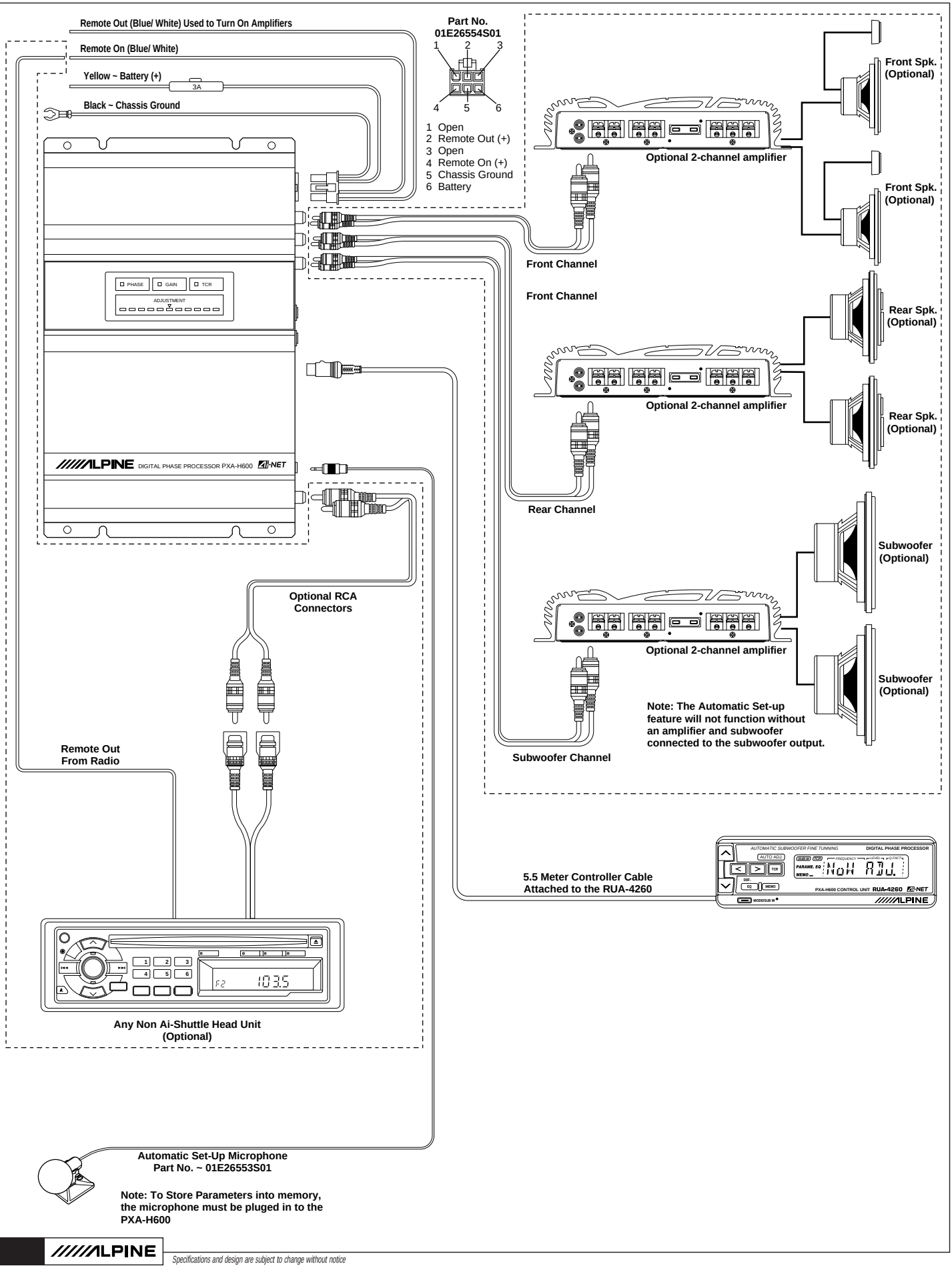

Specifications and design are subject to change without notice

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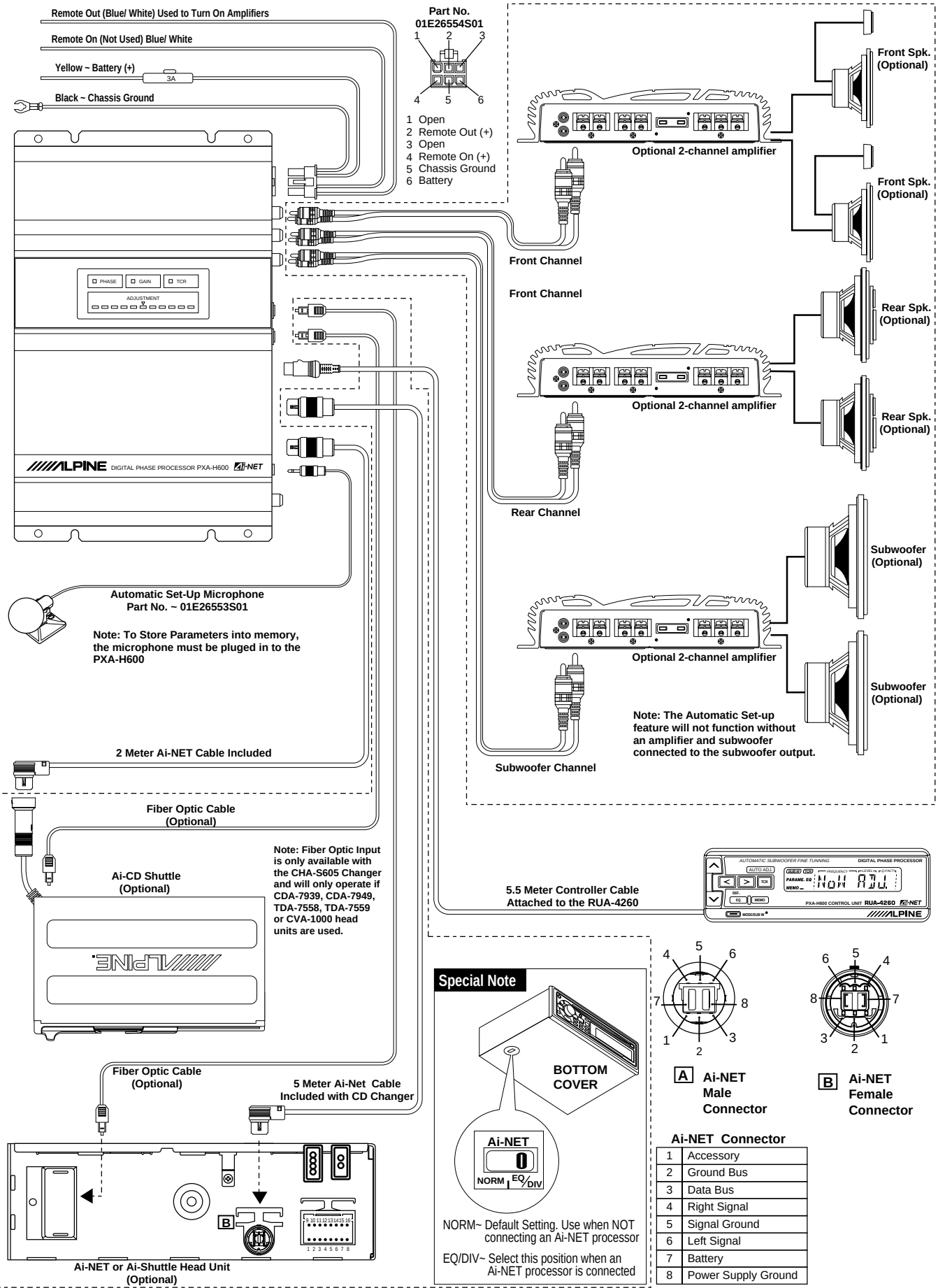
Remote Out (Blue/ White) Used to Turn On Amplifiers
Remote On (Not Used) Blue/ White
Yellow ~ Battery (+)
3A
Black ~ Chassis Ground
Part No.
01E26554S01
1 Open
2 Remote Out (+)
3 Open
4 Remote On (+)
5 Chassis Ground
6 Battery
PHASE
GAIN
TCR
ADJUSTMENT
ALPINE DIGITAL PHASE PROCESSOR PXA-H600 Ai-NET
Front Spk. (Optional)
Optional 2-channel amplifier
Front Spk. (Optional)
Front Channel
Front Channel
Rear Spk. (Optional)
Optional 2-channel amplifier
Rear Spk. (Optional)
Rear Channel
Subwoofer (Optional)
Optional 2-channel amplifier
Subwoofer (Optional)
Subwoofer Channel
Note: The Automatic Set-up feature will not function without an amplifier and subwoofer connected to the subwoofer output.
Automatic Set-Up Microphone
Part No. ~ 01E26553S01
Note: To Store Parameters into memory, the microphone must be pluged in to the PXA-H600
2 Meter Ai-NET Cable Included
Fiber Optic Cable (Optional)
Note: Fiber Optic Input is only available with the CHA-S605 Changer and will only operate if CDA-7939, CDA-7949, TDA-7558, TDA-7559 or CVA-1000 head units are used.
Ai-CD Shuttle (Optional)
5.5 Meter Controller Cable Attached to the RUA-4260
AUTOMATIC SUBWOOFER FINE TUNNING
DIGITAL PHASE PROCESSOR
AUTO ADJ.
PARAME. EQ
MEMO
NOW ADJ.
PXA-H600 CONTROL UNIT RUA-4260 Ai-NET
ALPINE
Fiber Optic Cable (Optional)
5 Meter Ai-Net Cable Included with CD Changer
B
Ai-NET or Ai-Shuttle Head Unit (Optional)
Special Note
BOTTOM COVER
Ai-NET
NORM
EQ/DIV
NORM~ Default Setting. Use when NOT connecting an Ai-NET processor
EQ/DIV~ Select this position when an Ai-NET processor is connected
A Ai-NET Male Connector
B Ai-NET Female Connector

Ai-NET Connector

1	Accessory
2	Ground Bus
3	Data Bus
4	Right Signal
5	Signal Ground
6	Left Signal
7	Battery
8	Power Supply Ground